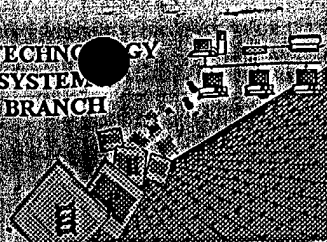


3 Freedom

## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/603,024 B  
Source: O I P E  
Date Processed by STIC: 5-17-2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



1600

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/603,024B

DATE: 05/17/2002  
TIME: 08:55:36

Input Set : D:\seqlistcorrected.txt  
Output Set: N:\CRF3\05172002\I603024B.raw

**Does Not Comply  
Corrected Diskette Needed**

3 <110> APPLICANT: Pompejus, Markus  
4 Kroger, Burkhard  
5 Schroder, Hartwig  
6 Zelder, Oskar  
7 Haberhauer, Gregor  
9 <120> TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS  
10 INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE  
11 TRANSPORT  
13 <130> FILE REFERENCE: BGI-131CP  
15 <140> CURRENT APPLICATION NUMBER: US 09/603024B  
16 <141> CURRENT FILING DATE: 2000-06-23  
18 <150> PRIOR APPLICATION NUMBER: US 60/141031  
19 <151> PRIOR FILING DATE: 1999-06-25  
21 <150> PRIOR APPLICATION NUMBER: US 60/143262  
22 <151> PRIOR FILING DATE: 1999-07-09  
24 <150> PRIOR APPLICATION NUMBER: US 60/151281  
25 <151> PRIOR FILING DATE: 1999-08-27  
27 <150> PRIOR APPLICATION NUMBER: DE 19930487.4  
28 <151> PRIOR FILING DATE: 1999-07-01  
30 <150> PRIOR APPLICATION NUMBER: DE 19930489.0  
31 <151> PRIOR FILING DATE: 1999-07-01  
33 <150> PRIOR APPLICATION NUMBER: DE 19931549.3  
34 <151> PRIOR FILING DATE: 1999-07-08  
36 <150> PRIOR APPLICATION NUMBER: DE 19931550.7  
37 <151> PRIOR FILING DATE: 1999-07-08  
39 <150> PRIOR APPLICATION NUMBER: DE 19932134.5  
40 <151> PRIOR FILING DATE: 1999-07-09  
42 <150> PRIOR APPLICATION NUMBER: DE 19941379.7  
43 <151> PRIOR FILING DATE: 1999-08-31  
45 <150> PRIOR APPLICATION NUMBER: DE 19942088.2  
46 <151> PRIOR FILING DATE: 1999-09-03  
48 <150> PRIOR APPLICATION NUMBER: DE 19942097.1  
49 <151> PRIOR FILING DATE: 1999-09-03  
51 <160> NUMBER OF SEQ ID NOS: 446

#### ERRORED SEQUENCES

36706 <210> SEQ ID NO: 446  
36707 <211> LENGTH: 17  
36708 <212> TYPE: DNA  
36709 <213> ORGANISM: Artificial Sequence  
36711 <220> FEATURE:

OVER — Length of sequence  
does not match number  
of base pairs counted.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/603,024B

DATE: 05/17/2002

TIME: 08:55:40

Input Set : D:\seqlistcorrected.txt

Output Set: N:\CRF3\05172002\I603024B.raw

36712 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

36714 <400> SEQUENCE: 446

E--> 36715 gtaaaacgac ggccagt

18

VARIABLE LOCATION SUMMARY  
PATENT APPLICATION: US/09/603,024B

DATE: 05/17/2002  
TIME: 08:55:41

Input Set : D:\seqlistcorrected.txt  
Output Set: N:\CRF3\05172002\I603024B.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:141; N Pos. 563  
Seq#:141; Xaa Pos. 155  
Seq#:142; Xaa Pos. 155  
Seq#:265; N Pos. 28,29,30,31,32,33,34,35,37,38,39,41  
Seq#:301; N Pos. 11  
Seq#:301; Xaa Pos. 4  
Seq#:302; Xaa Pos. 4  
Seq#:417; N Pos. 922,956,957,960,966  
Seq#:417; Xaa Pos. 258,259,260,261,262,270,272,273,274,275,276,277,279,280  
Seq#:417; Xaa Pos. 286,287,289  
Seq#:418; Xaa Pos. 258,259,260,261,262,270,272,273,274,275,276,277,279,280  
Seq#:418; Xaa Pos. 286,287,289

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/603,024B

DATE: 05/17/2002  
TIME: 08:55:41

Input Set : D:\seqlistcorrected.txt  
Output Set: N:\CRF3\05172002\I603024B.raw

L:12353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:547  
L:12354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:595  
L:12432 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:142  
L:12432 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:142  
L:12432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:144  
L:21580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265 after pos.:0  
L:24052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301 after pos.:0  
L:24053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301 after pos.:48  
L:24114 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:302  
L:24114 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:302  
L:24114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:302 after pos.:0  
L:34121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417 after pos.:883  
L:34124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417 after pos.:883  
L:34125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417 after pos.:931  
L:34128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417 after pos.:931  
L:34129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417 after pos.:979  
L:34210 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:418  
L:34210 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:418  
L:34210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418 after pos.:256  
L:34213 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:418  
L:34213 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:418  
L:34213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418 after pos.:272  
L:34216 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:418  
L:34216 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:418  
L:34216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418 after pos.:288  
L:36715 M:254 E: No. of Bases conflict, LENGTH:Input:18 Counted:17 SEQ:446

STATISTICS SUMMARY  
PATENT APPLICATION: US/09/603,024B

DATE: 05/17/2002  
TIME: 08:55:41

Input Set : D:\seqlistcorrected.txt  
Output Set: N:\CRF3\05172002\I603024B.raw

Application Serial Number: US/09/603,024B  
Alpha or Numeric: Numeric  
Application Class:  
Application File Date: 06-23-2000  
Art Unit: 1600  
Software Application:  
Total Number of Sequences: 446  
Total Nucleotides: 232173  
Total Amino Acids: 70059  
Number of Errors: 1  
Number of Warnings: 25  
Number of Corrections: 0

MESSAGE SUMMARY

254 E: 1 (No. of Bases conflict)  
258 W: 10 (Mandatory Feature missing)  
341 W: 15 ((46) "n" or "Xaa" used)